

DEVELOPED BY SEPTIC SOLUTIONS, INC.

# POND PLUS+



PO<sub>2</sub>

AERATION  
SYSTEMS

*The Clear Solution in Pond Aeration*

**INSTALLATION AND MAINTENANCE GUIDE**

*Create and Maintain  
a Perfect Pond  
All Year Round!*



(877)-925-5132  
[www.septicsolutions.com](http://www.septicsolutions.com)

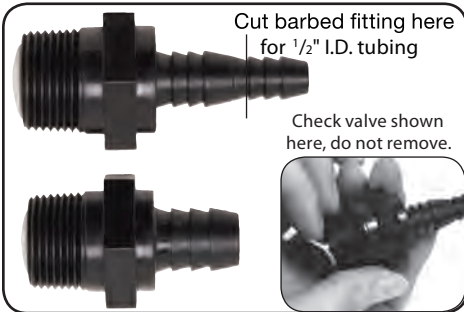
# QS1 • QS2



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## Quick Sink Self Weighted Diffuser Assembly

### Instructions



1.  $\frac{3}{4}$ " MPT barbed check valve is designed to be used with  $\frac{1}{2}$ " or  $\frac{3}{8}$ " I.D. tubing. Use larger barbed fitting for  $\frac{5}{8}$ " ID tubing



2. Screw in correct barbed fitting until snug. Do not over tighten, hand tighten only.



### Parts Included

- Self-weighted base with plumbing installed
- 10" round, rubber (EPDM) diffuser (two for QS2) – part # MD3
- Hardware kit for connecting to  $\frac{3}{8}$ ",  $\frac{1}{2}$ " or  $\frac{5}{8}$ " ID tubing (not all fittings will be used) - part # QSHK



3. Screw diffuser(s) onto  $\frac{3}{4}$ " FPT on top of unit. Snug fitting by hand. Do not over tighten.



4. Use supplied hose clamp, slip loosely over end of tubing and push tubing tightly onto the fitting.



5. Slide hose clamp over fitting and fasten with regular screwdriver or nut driver.



6. Fit padded hose clamp over tubing. (Use 17.5mm clamp for  $\frac{3}{8}$ " tubing or 25.5mm clamp for  $\frac{1}{2}$ " and  $\frac{5}{8}$ " tubing)



7. Use washer on both sides of base. Insert 10mm bolt from bottom side and tighten nut to clamp down tubing and provide strain relief.



8. Use rope looped through holes in base to assist lowering assembly to pond bottom. Carry only by base, do not lift by diffusers.

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## Manifold Adjustment Instructions:

If your PondPlus+ PO2 Aeration system has multiple diffusers, a manifold has been included coming from the pump going to multiple barbed discharge ports (one for each diffuser). Above each of these discharge ports there are ball valves included inline to adjust the airflow to each diffuser. A diffuser that is placed at a shallower depth or a shorter distance from the pump may need to be valved back in order to force airflow to the other diffusers. Please follow the instructions below for setting the ball valves correctly:

**STEP 1:** Connect the weighted airline for each diffuser to an air port on the manifold by sliding the tubing over the barb fitting and use the included pipe clamp to secure the hose in place. Make sure that all of the valves are in the fully open position.

**STEP 2:** Power on the aeration pump once all of the diffuser airlines are secured to the air ports on the manifold. Visually inspect the aeration boils that you see on the surface of your pond. If the aeration boils appear fairly equal in size, then your installation is finished and you have successfully installed the PondPlus+ system! If you notice a significant difference in the boil sizes, proceed to STEP 3 to begin the manifold valve adjustment.

**STEP 3:** If you notice a significant difference in the boil size you can use the valve system to equalize the airflow to each diffuser. Begin by making sure the valve going to the smallest diffuser boil is wide open. Slowly close the valve or valves going to the larger diffuser boil(s) until you begin seeing an increase in size of the smaller boil. Once the aeration boils appear fairly equal in size your installation is finished and you have successfully installed the PondPlus+ system!

**CAUTION:** *If your system was included with a metal piped manifold, this piping system will get extremely hot while the pump is in operation. Please use caution and do not touch the metal with bare skin as it may cause burns.*

**WARNING:** *You should always have at least 1 valve all the way open and you should never have any valve all the way closed. Closing a valve completely could cause the aeration pump exceed it's maximum operating pressure causing premature failure.*

## Aeration Pump Maintenance:

The aeration pumps included with the PondPlus+ PO2 Aeration systems require very little regular maintenance. The only regular maintenance recommended is to clean the air filters every 6 months and replace them once per year if needed. Additional air filters can be purchased at [www.septicsolutions.com](http://www.septicsolutions.com) or by calling us at (877)-925-5132.

### WINTER STORAGE:

The PondPlus+ PO2 Aeration system is designed to run continuously all year round. If you choose to not run the aeration system during the winter months you must disconnect the airlines from the pump, plug the ends of those airlines, and remove the pump and store it in a dry location.



## LIMITED WARRANTY

### ONE YEAR LIMITED WARRANTY

Warranty claims are subject to the discretion of the original product manufacturer. This limited warranty applies only to products that are not subject to accident, misuse, neglect, flood, fire or other external causes, unauthorized use, or alterations or unauthorized repair. This limited warranty is not transferable to any subsequent purchaser or recipient of the Product.

The PondPlus+ PO2 Aeration System is warranted against defects in material and workmanship for a period of one year from the date of purchase. In no event shall Septic Solutions be liable for any consequential damages or any labor, material, freight or expense required replacing, correcting, or reinstalling the product. Septic Solutions' liability is limited to repair or replacement of the part.

The customer shall be responsible to contact Septic Solutions, Inc. at 217-925-5992 between the hours of 8:00 am to 4:30 pm Central Standard Time to receive Warranty Return Authorization. To receive Authorization, you will need to provide Septic Solutions, Inc. with proof of the original purchase. Please contact Septic Solutions, Inc. prior to returning any merchandise for warranty consideration.

### SHIPPING COSTS

Customer assumes all costs in shipping to Septic Solutions, and Septic Solutions assume the cost in shipping replacement/repaired products under warranty back to the customer. All replacement/repaired products are shipped by the carrier and method of our choice unless otherwise requested. The cost of any shipping upgrade is to be paid by the customer prior to shipment. Additional shipping charges may apply for international customers located outside of the United States.

### WARRANTY PROCEDURE

We suggest you contact our technical support team first at 217-925-5992 to determine whether the item is indeed defective before shipping. If the Product proves defective during the warranty period, and you follow the instructions that we will provide to you for returning the Product, we will, at our option, take one of the following actions: (1) replace the Product with either a new or a refurbished Product that is the same as or similar to the Product you purchased; (2) repair the Product using either new or refurbished parts.

For those products shipped backed to Septic Solutions, Inc. under this warranty policy and no defects are found in the product the customer will be responsible for the shipping costs to return the item back to them. For those products shipped back to Septic Solutions, Inc. under this warranty policy and the defects found are not covered by this warranty policy the customer will be responsible to notify Septic Solutions, Inc. within 14 days of being notified of the product not being covered that they wish to receive the product back. If no request to receive the product back is received, after 14 days the product will be discarded. The customer is responsible prepay Septic Solutions, Inc. via credit card any shipping charges to receive products back that are not covered by this warranty policy.

### WARRANTY DISCLAIMER & LIMITATIONS OF LIABILITY TO ALL OUR CUSTOMERS

All warranties are void if the product has been improperly modified, applied, or installed, subjected to misuse or abuse. Except as stated herein, Septic Solutions, Inc. disclaims any warranties express or implied, including the warranty of merchantability or warranty of fitness for a specific purpose or non-infringement of intellectual property rights. Septic Solutions, Inc. also disclaims any Liability for claims arising out of product misuse, improper product selection, improper installation, product modification, misrepair or misapplication.

### PRODUCT COMPLIANCE & SUITABILITY

Jurisdictions have varying laws, codes and regulations governing construction, installation, and/or use of products for a particular purpose. Certain products may not be available for sale in all areas. Septic Solutions, Inc. does not guarantee compliance or suitability of the products it sells with any laws, codes or regulations, nor does Septic Solutions, Inc. accept responsibility for construction, installation and/or use of a product. It is customer's responsibility to review the product application and all applicable laws, codes and regulations for each relevant jurisdiction to be sure that the construction, installation, and/or use involving the products are compliant.